

Rolling Knolls Landfill Superfund SITE
FIELD CHANGE REQUEST (FCR) FORM

Contract No.:

REQUEST NO: 04

DATE: 01/20/2015

FCR TITLE: Sample Matrix Determination

DESCRIPTION:

The Data Gaps Sampling and Analysis Plan (Data Gaps SAP) proposed collection of soil samples at six specific locations that the USEPA felt represented data gaps (SS-159 through SS-164). Samples from these locations were to be collected and analyzed directly for full TCL/TAL parameters. If PCBs were detected, the Data Gaps SAP stated that up to two of these samples may be analyzed for PCB congeners, dioxins, and furans.

REASON FOR DEVIATION:

Conditions in the field at three of the proposed soil locations (SS-162, SS-163, and SS-164) were saturated, with 6 inches, 28 inches, and 14 inches of standing water, respectively. Given the amount of standing water and the vegetation that was observed in the vicinity of the location, the field crew felt these samples were likely inundated with water year-round and represented sediments rather than wetland soil. In addition, the field crew looked for areas nearby where soil samples could be collected but did not find any locations within 75 feet (or more) of the proposed sample locations.

RECOMMENDED MODIFICATION:

The field team noted the conditions at these locations in the logbook and changed the sample matrix from soil to sediment. Lexan tubing collection methods were used, which is a valid sampling method for sediments (SOP-14). The field team collected enough sample volume to analyze for full TCL/TAL parameters, as well as for pH, TOC, and grain size. Additional volume is also available to run an analysis for PCB congeners, dioxins, and furans, if PCBs are detected and additional analysis is deemed necessary. However, analysis of PCB congeners, dioxins, and furans for sediment is not specified in the Data Gaps SAP and has not been conducted during previous investigations at the Rolling Knolls Landfill Superfund Site. Consequently, these analyses will not be conducted on the sediment samples without additional discussion with the project team.

IMPACT ON PROJECT OBJECTIVES:

The procedures herein do not impact the project objectives as the sample matrix at these specific locations was unknown when the locations were requested by USEPA. The field crew followed an approved sample collection method for sediments, and requested the same analysis for these samples as for other sediment samples.

Dated Signatures:

 01/20/2015
(Field Team Leader)

 01/20/2015
(Project Manager)

Distribution:

T. Mitchell, EPA Remedial Project Manager
Quality Assurance Coordinator

RI Task Leader
Project File